



Search Results

Search Terms:	AND	Search Definitions:
<input type="text"/>		
<input checked="" type="radio"/> Contains this <input type="radio"/> Begins with this		<input type="button" value="Find Words!"/> <input type="button" value="Clear Form"/>

Searching Category	User input query
Searched Word	cyclodextrin
Number of Results	1

1. 1. cyclodextrin

Image: [View the chemical structure](#)

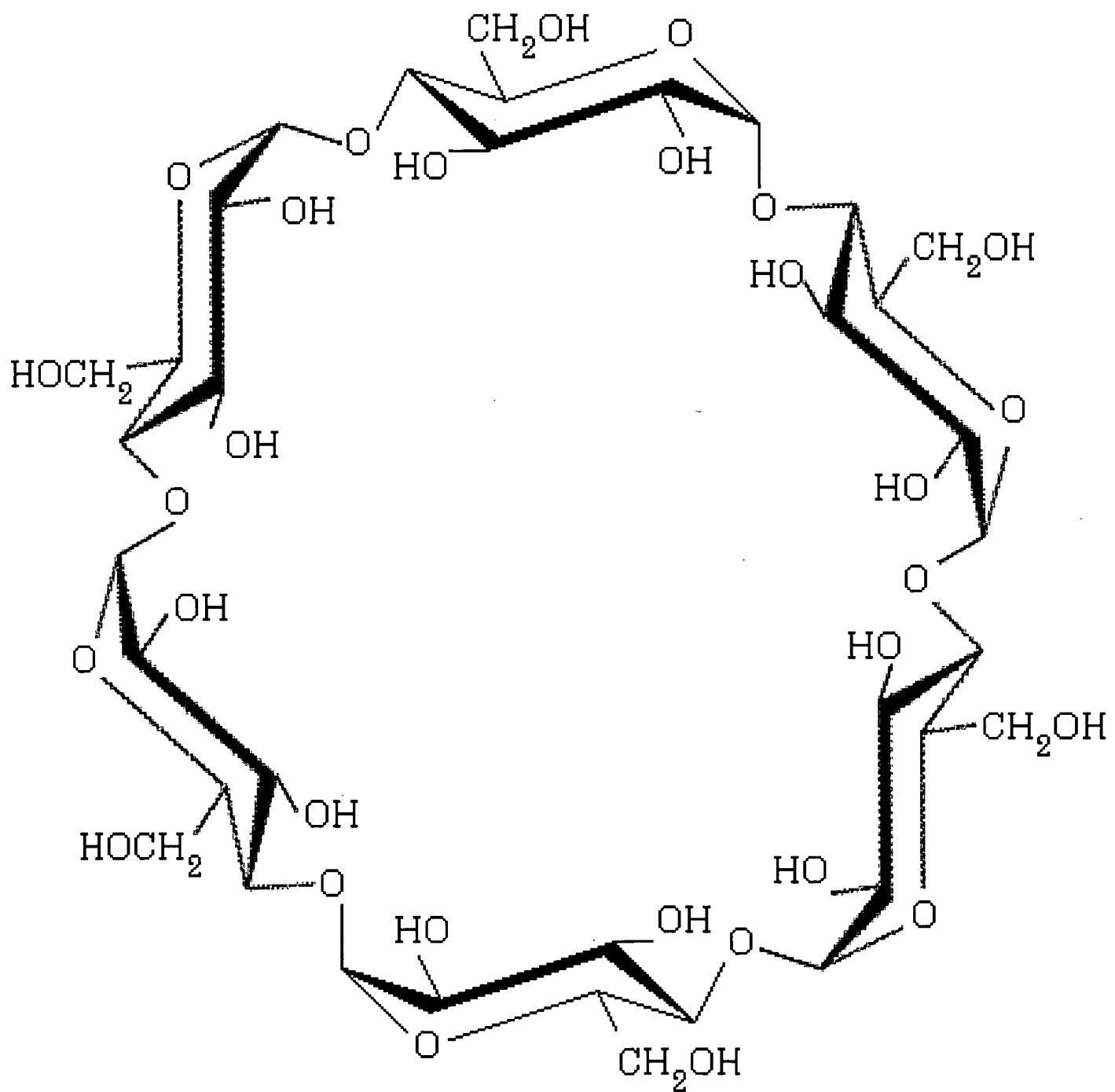
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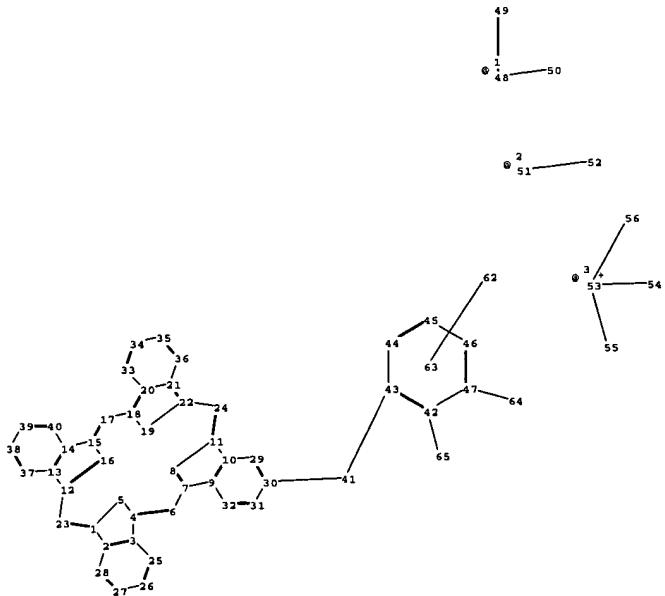
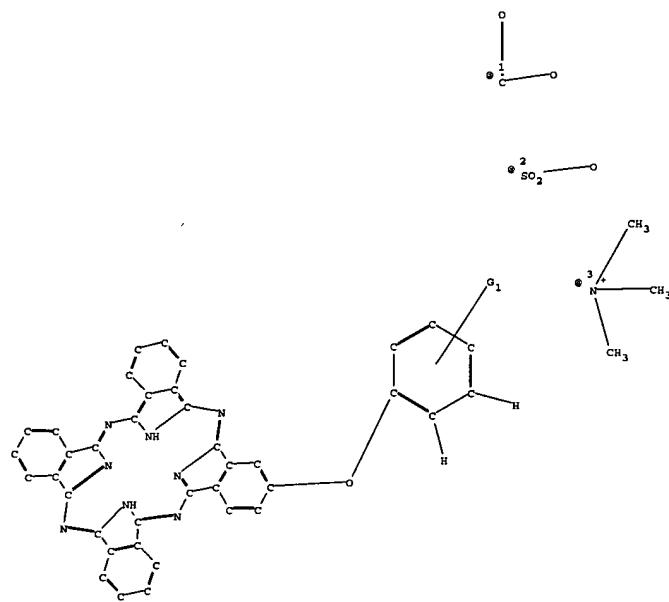
A cyclic oligomer of alpha-D-glucopyranose. The most common cyclodextrins are alpha, beta and gamma cyclodextrin having 6,7 and 8 glucopyranose units respectively. They occur naturally in starch digests of the bacteria *Bacillus Macerans*. With a hydrophobic interior cavity, they can complex small hydrophobic molecules while remaining soluble in water. Potential applications include water-soluble pharmaceuticals and herbicides and pesticides.

END

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cyclodextrins





chain nodes :

41 48 49 50 51 52 53 54 55 56 62 64 65

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47

chain bonds :

30-41 41-43 42-65 47-64 48-49 48-50 51-52 53-54 53-55 53-56

ring bonds :

1-2 1-5 1-23 2-3 2-28 3-4 3-25 4-5 4-6 6-7 7-8 7-9 8-11 9-10 9-32 10-11
10-29 11-24 12-13 12-16 12-23 13-14 13-37 14-15 14-40 15-16 15-17 17-18 18-19
18-20 19-22 20-21 20-33 21-22 21-36 22-24 25-26 26-27 27-28 29-30 30-31 30-32 31-32
33-34 34-35 35-36 37-38 38-39 39-40 42-43 42-47 43-44 44-45 45-46 46-47

exact/norm bonds :

1-5 4-5 18-19 19-22 30-41 41-43 48-49 48-50 51-52

exact bonds :

42-65 47-64 53-54 53-55 53-56

normalized bonds :

1-2 1-23 2-3 2-28 3-4 3-25 4-6 6-7 7-8 7-9 8-11 9-10 9-32 10-11 10-29 11-24
12-13 12-16 12-23 13-14 13-37 14-15 14-40 15-16 15-17 17-18 18-20 20-21 20-33
21-22 21-36 22-24 25-26 26-27 27-28 29-30 30-31 31-32 33-34 34-35 35-36 37-38
38-39 39-40 42-43 42-47 43-44 44-45 45-46 46-47

G1:[*1],[*2],[*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom
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42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:CLASS 49:CLASS 50:CLASS
51:CLASS 52:CLASS 53:CLASS 54:CLASS 55:CLASS 56:CLASS 62:CLASS 63:CLASS 64:CLASS
65:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 32 Nov 18 DKILIT has been renamed APOLLIT
NEWS 33 Nov 25 More calculated properties added to REGISTRY
NEWS 34 Dec 02 TIBKAT will be removed from STN
NEWS 35 Dec 04 CSA files on STN

NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 14:54:12 ON 12 DEC 2002

```
=> ile reg  
ILE IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (>).
```

FILE 'REGISTRY' ENTERED AT 14:54:21 ON 12 DEC 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 DEC 2002 HIGHEST RN 475975-25-8
DICTIONARY FILE UPDATES: 11 DEC 2002 HIGHEST RN 475975-25-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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=> Uploading 10054585.str
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L1 STRUCTURE UPLOADED

=> s 11
SAMPLE SEARCH INITIATED 14:54:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	6 TO	266
PROJECTED ANSWERS:	0 TO	0

L2 0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 14:55:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 314 TO ITERATE

100.0% PROCESSED 314 ITERATIONS
SEARCH TIME: 00.00.01

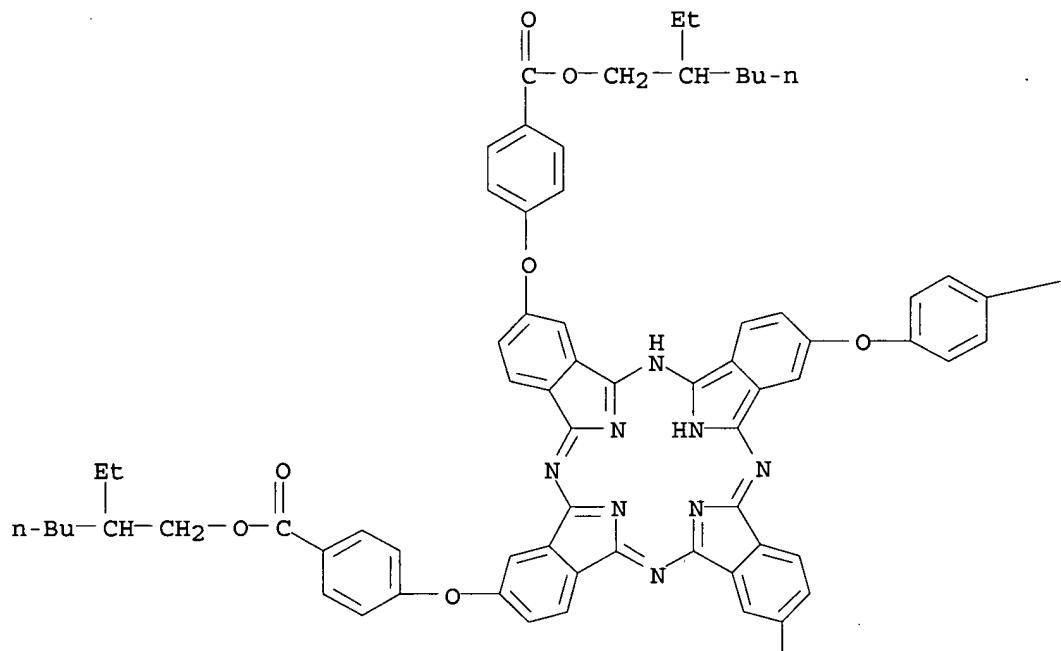
5 ANSWERS

L3 5 SEA SSS FUL L1

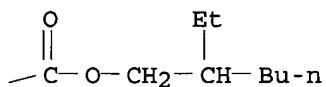
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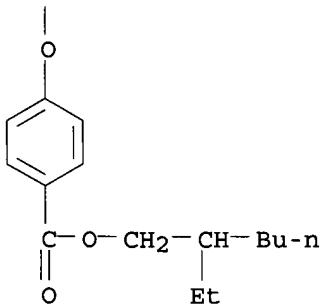
L3 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2002 ACS
RN 177992-33-5 REGISTRY
CN Benzoic acid, 4,4',4'',4'''-[29H,31H-phthalocyanine-2,9,16,23-tetrayltetrakis(oxy)]tetrakis-, tetrakis(2-ethylhexyl) ester (9CI) (CA INDEX NAME)
MF C92 H98 N8 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

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PAGE 1-B





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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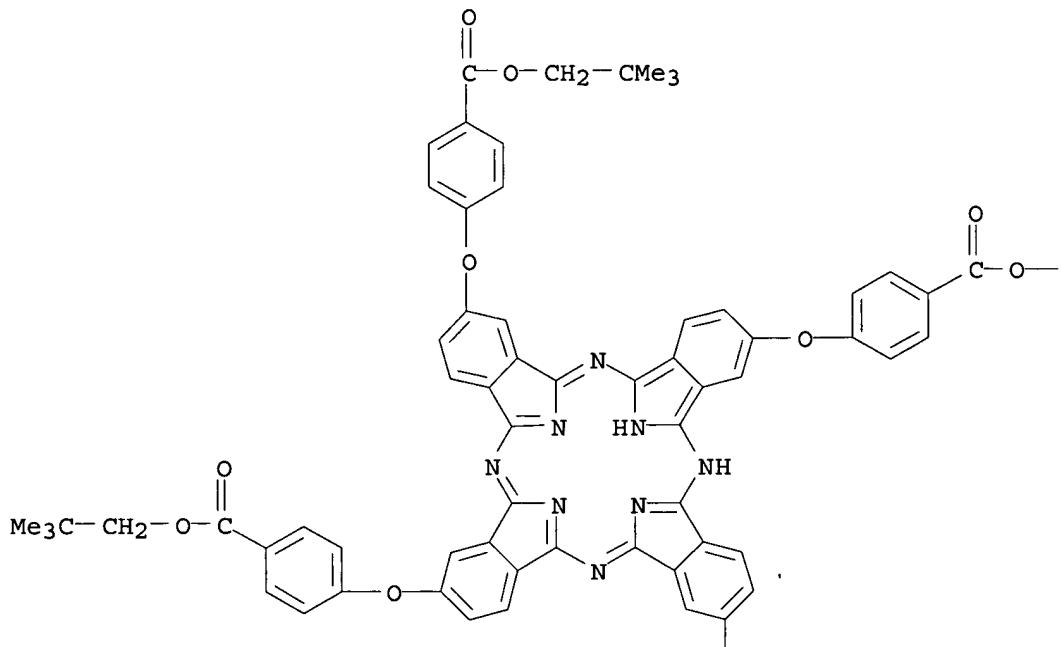
REFERENCE 1: 125:37859 Method for tagging petroleum products. Krutak, James John; Cushman, Michael Roy; Weaver, Max Allen (Eastman Chemical Company, USA). PCT Int. Appl. WO 9610620 A1 19960411, 87 pp. DESIGNATED STATES: W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2.

APPLICATION: WO 1995-US12191 19950925. PRIORITY: US 1994-315386 19940930.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9610620	A1	19960411	WO 1995-US12191	19950925
				W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE	
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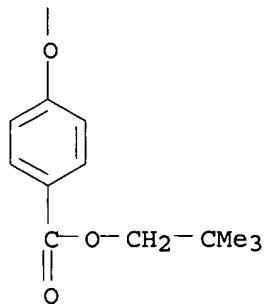
L3 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2002 ACS
RN 177992-10-8 REGISTRY
CN Benzoic acid, 4,4',4'',4'''-[29H,31H-phthalocyanine-2,9,16,23-tetrayltetrakis(oxy)]tetrakis-, tetrakis(2,2-dimethylpropyl) ester (9CI)
(CA INDEX NAME)
MF C80 H74 N8 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



PAGE 1-B

— CH₂ — CMe₃



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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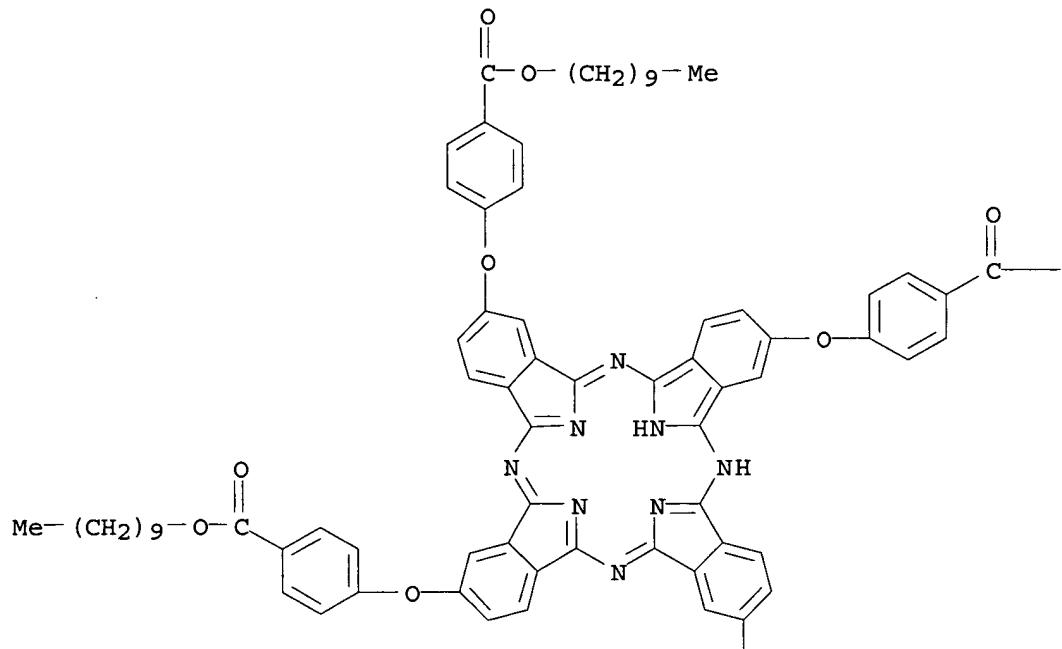
REFERENCE 1: 125:37859 Method for tagging petroleum products. Krutak, James John; Cushman, Michael Roy; Weaver, Max Allen (Eastman Chemical Company, USA). PCT Int. Appl. WO 9610620 A1 19960411, 87 pp. DESIGNATED STATES: W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2.

APPLICATION: WO 1995-US12191 19950925. PRIORITY: US 1994-315386 19940930.

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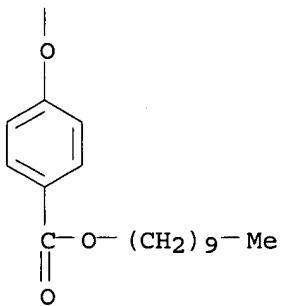
L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2002 ACS
RN 177991-95-6 REGISTRY
CN Benzoic acid, 4,4',4'',4'''-[29H,31H-phthalocyanine-2,9,16,23-tetrayltetrakis(oxy)]tetrakis-, tetrakis(decyl) ester (9CI) (CA INDEX NAME)
MF C100 H114 N8 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

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PAGE 1-B

—O—(CH₂)₉—Me



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 125:37859 Method for tagging petroleum products. Krutak, James John; Cushman, Michael Roy; Weaver, Max Allen (Eastman Chemical Company, USA). PCT Int. Appl. WO 9610620 A1 19960411, 87 pp. DESIGNATED STATES: W: BR, CA, CN, HU, JP, KR, MX, NO, PL, RU; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2.

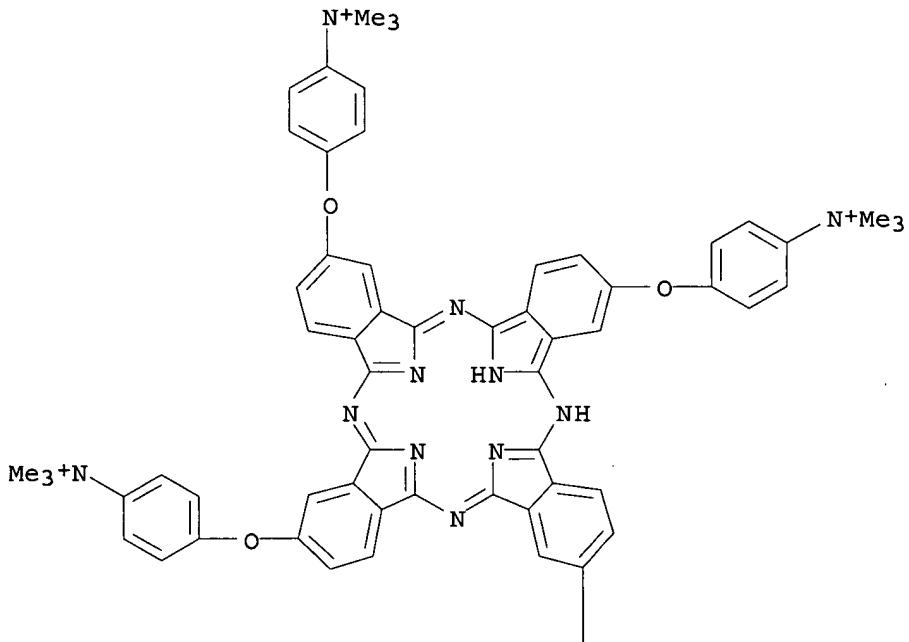
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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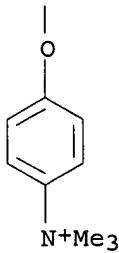
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US	5525516	A	19960611	US 1994-315386	19940930
US	5525516	B1	19991109		
ZA	9508247	A	19960424	ZA 1995-8247	19950929

L3 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2002 ACS
RN 174320-94-6 REGISTRY
CN Benzenaminium, 4,4',4'',4'''-[29H,31H-phthalocyanine-2,9,16,23-tetrayltetrakis(oxy)]tetrakis[N,N,N-trimethyl- (9CI) (CA INDEX NAME)
MF C68 H66 N12 O4
SR CA
LC STN Files: CA, CAPLUS

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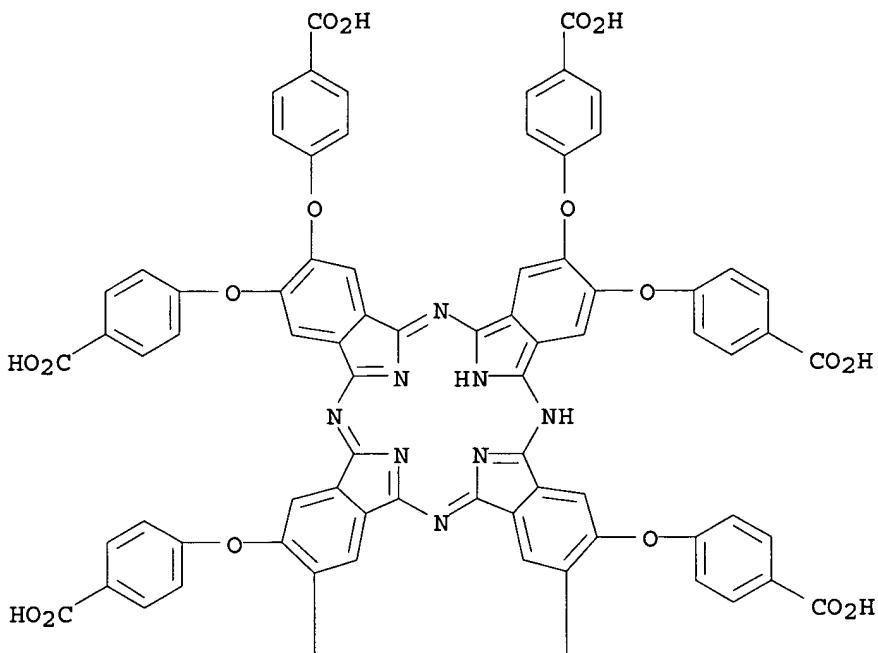
PAGE 2-A



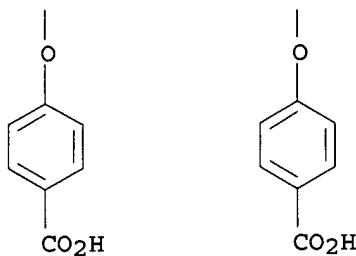
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:189103 Studies of the supramolecular system of porphyrin-phthalocyanine formed by molecular self-assembly and its photoinduced electron transfer processes. Tian, Hongjian; Zhou, Qingfu; Shen, Shuyin; Xu, Huijun (Institute Photographic Chem., Chinese Academy Sciences, Beijing, 100101, Peop. Rep. China). Wuli Huaxue Xuebao, 12(1), 44-8 (Chinese) 1996. CODEN: WHXUEU. ISSN: 1000-6818. Publisher: Beijing Daxue Chubanshe.

PAGE 1-A



PAGE 2-A



1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 118:254603 A simple synthesis of 4,5-disubstituted
1,2-dicyanobenzenes and 2,3,9,10,16,17,23,24-octasubstituted
phthalocyanines. Woehrle, Dieter; Eskes, Marco; Shigehara, Kiyotaka;
Yamada, Akira (Inst. Org. Makromol. Chem., Univ. Bremen, Bremen,
D-2800/33, Germany). Synthesis (2), 194-6 (English) 1993. CODEN: SYNTBF.
ISSN: 0039-7881.

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD: .

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
153.49	153.70

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 14:56:20 ON 12 DEC 2002